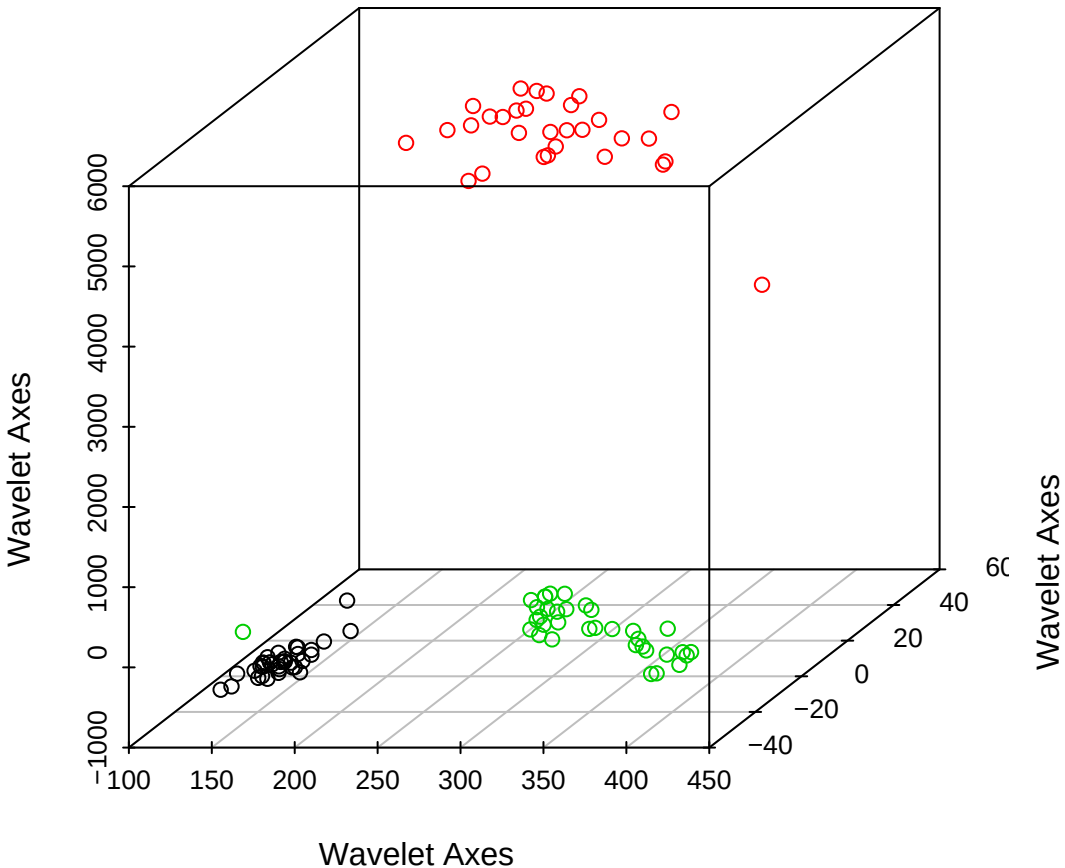wavelet Tr & kmeans in top3 wavelet space